

Abstract

The present invention Nos. 1-3 provide a spandex filament which is excellent in view of a recovering ability of elasticity, high tensile strength, and hydrolysis resistance, and a polyurethane which can provide thereof and, further, a polyester polyester diol obtained from a specified diol.

Further, the present invention No. 4 provides a polyester polyol containing a polyol having an ultraviolet ray-absorbable group, a lactone-modified polyol therefrom, and a polyester polyol containing other polyol components and adipic acid as constructing component units, and provides a polyurethane having washing resistance obtained therefrom and, further provides a spandex filament comprising the polyurethane.

The present invention No. 5 provides a dialkyl amino group-contained additive having a high solubility to a DMAc solvent which protects a spandex polymer from deterioration or discoloration, and which is employed for a spandex polymer having an improved permanent extension property, and a polyurethane composition and a spandex composition having an improved permanent extension property.

Still further, the present invention No. 6 provides a polyurethane having a soft feeling, an excellent hydrolysis resistance, a wrinkle resistance, and an adhesive property, and

which is particularly excellent as an artificial leather.